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| Form PTO-1449 P OCT 21 2003 U.S. PATENT & TRADEMARK OFFICE | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DKT. NO. 500.30802CC4 | SERIAL NO. 10/623,160 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | | APPLICANT Atsushi TAKAI et al. | |
| | | FILING DATE 21 July 2003 | GROUP 2633 Unassigned |

U.S. PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date |
|------------------|-----------------|-------|--------------------|-------|----------|-------------|
| DS | AA | 01/91 | Rzeszewski | — | — | — |
| | AB | 06/94 | Takai et al. | — | — | — |
| | AC | 04/96 | Takai et al. | — | — | — |
| | AD | 03/93 | Nishio | — | — | — |
| | AE | 02/87 | Personick | — | — | — |
| | AF | 08/92 | Paik et al. | — | — | — |
| | AG | 08/90 | Yanagidaira et al. | — | — | — |
| | AH | 04/93 | Fussganger | — | — | — |
| | AI | 03/93 | Nishio | — | — | — |
| | AJ | 07/88 | O'Connell et al. | — | — | — |
| | AK | 04/91 | Suzuki et al. | — | — | — |
| DS | AL | 12/91 | Suzuki | — | — | — |

FOREIGN PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Country | Class | Subclass | Translation/Abstract | |
|------------------|-----------------|-----------|---------|-------|----------|----------------------|----|
| | | | | | | Yes | No |
| DS | AM | 06/83 | JP | — | — | | |
| | AN | 04/83 | JP | — | — | | |
| | AO | 01-187537 | JP | — | — | | |
| | AP | 58-161489 | JP | — | — | | |
| | AQ | 02-266725 | JP | — | — | | |
| DS | AR | 63-090232 | JP | — | — | | |
| | AS | | | | | | |
| | AT | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|----|--|
| AU | |
| AV | |
| AW | |
| AX | |
| AY | |
| AZ | |

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| Examiner | Date Considered |
| Dalzid Singh | 10/26/04 |